

WHAT IS CLAIMED:

1. An electric vehicle comprising:
a replaceable or rechargeable battery for providing electric energy to a starter motor;
a starter motor coupled to a rotor for initiating rotation of said rotor;
a rotor coupled to the shaft of a generator; and
a generator for providing energy to a motor.
2. The system of Claim 1 wherein said rotor is rotatably mounted on said generator.
3. The system of Claim 1 wherein said rotor comprises a first portion and a second portion mounted thereon, said first and second portions defining multiple cavities in said rotor.
4. The system of Claim 3 wherein said cavities are radially disposed about the center of said rotor.
5. The electric vehicle of Claim 4 wherein said rotor comprises six cavities.
6. The system of Claim 4 further comprising mobile weights housed within said cavities.
7. The system of Claim 6 wherein said weights are adapted for movement from a radially inward position within said cavity to a radially outward position of said cavity.
8. The system of Claim 7 wherein said weights include rollers to allow for movement within said cavity.
9. The system of Claim 1 comprising a vehicle having a body with an exterior and an interior wherein said generator, rotor and starter motor are attached to said interior of said body.

10. The system of Claim 9 further comprising a supporting framework, said framework providing attachment of said rotor, said generator and said starter motor to said body interior.

11. The system of Claim 10 comprising means for maintaining said rotor in a substantially horizontal position relative to changes in the angle of the vehicle body.

12. The system of Claim 11 wherein said maintaining means comprises a double bearing assembly attached to said framework.

13. A rotor and generator assembly for use in an electric vehicle, said rotor comprising:

a top portion and a base plate attached to said top portion, each of said top portion and said base plate including a plurality of uniformly spaced cavities disposed about the center thereof and defining a plurality of raceways;

a plurality of mobile weights within said raceways, said weights adapted for movement within said cavities; and

said rotor and generator being held by a framework attached to the body of the vehicle, said framework comprising first and second double-bearing assemblies.

14. The system of Claim 13 wherein said framework is attached to said vehicle by a pair of columnar members, each of said columnar members defining a central bore and movable shaft within said bore, wherein said shaft is capable of horizontal movement.

15. The system of Claim 14 wherein said shaft is coupled to a spherical bearing.

16. The system of Claim 14 wherein one end of said shaft is

attached to one of said double-bearing assemblies.

17. The system of Claim 13 wherein said mobile weight includes a pair of slides for facilitating movement of said weights within said raceway.

18. The system of Claim 13 wherein said raceway is inclined between said central and peripheral regions of said rotor to facilitate movement of said mobile weights toward said central region of said rotor.

19. The system of Claim 18 wherein said raceway at said radially outward peripheral end of said rotor is upwardly inclined by approximately 3° relative to said raceway the radially inward end of said rotor.